

United States Department of the Interior
National Park Service/[*Regional Office Designation*]
Public Health Program

WASTEWATER SYSTEM ASSESSMENT
GENERAL INFORMATION

PART I – INFORMATION SUMMARY

PARK ALPHA		SYSTEM NAME		STATE/COUNTY		NPDES PERMIT #		DATE	
SYSTEM OPERATOR:									
TYPE OF SYSTEM		COLLECTION SYSTEM APPURTENANCES		TYPE OF TREATMENT		TYPE OF DISPOSAL			
COMMUNITY		SEWER LINES [Y/N]		SEPTIC TANK		SURFACE			
INDIVIDUAL		NUMBER OF MANHOLES		TANK CAPACITY (GAL)		SUB-SURFACE			
BARRELL TOILET		LIFTSTATION(S) [Y/N]		LAGOON(S)		HAULING			
CHEMICAL TOILET		OTHER		PACKAGE PLANT (PRIMARY)		OTHER			
COMPOSTING TOILET				PACKAGE PLANT (SECONDARY)		DISTANCE TO WATER WELL(S)			
EVAPORATOR TOILET				PACKAGE PLANT (TERTIARY)		DISTANCE TO SURFACE WATER			
VAULT TOILET				DISINFECTANT (CL2, OZONE, UV)					
OTHER									
		NUMBER OF SERVICE CONNECTIONS			METERED FLOW (GPD)				
		NUMBER OF TOILETS/URINALS			ESTIMATED AVERAGE DAILY FLOW (GPD)				
		ESTIMATED POPULATION SERVED			OPERATOR CLASSIFICATIONS (CLASS I, GRADE II, ETC.)				
					EMERGENCY OPERATION PLAN IN PLACE (Y/N)				

HEALTH PRECAUTIONS

PERSONNEL WHO ROUTINELY COME INTO CONTACT WITH SEWAGE HAVE CURRENT IMMUNIZATION FOR TETANUS	
WORKERS DO NOT EAT, DRINK OR SMOKE DURING MAINTENANCE ACTIVITIES OR WHILE INSPECTING EQUIPMENT	
FACILITIES AND EQUIPMENT CONTAMINATED WITH SEWAGE ARE THOROUGHLY WASHED WITH SOAP AND WATER	
AFTER CLEANUP: WORKERS SHOWER, CONTAMINATED CLOTHES ARE BAGGED FOR LAUNDERING, RUBBER BOOTS,, GLOVES, OTHER PROTECTIVE EQUIPMENT ARE CLEANED WITH HOT WATER AND DETERGENT/RINSED WITH A 100 PPM DISINFECTANT (BLEACH)	
LIFSTATIONS, MANHOLES AND SEWERS ARE ENTERED USING THE PRECAUTIONS CITED IN CONFINED SPACE ENTRY GUIDELINES (29 CFR 1910.146). CONFINED SPACE ENTRY PROCEDURES ARE FOLLOWED	

COMMENTS:

PART II – SURVEY INFORMATION

A. SEPTIC TANK SYSTEM		B. TREATMENT PLANT (continued)	
NO EVIDENCE OF SURFACING SEWAGE IN DRAINFIELD		ACCUMULATION OF SLUDGE/SCUM IN PRIMARY CLARIFIER IS NOT EXCESSIVE	
D-BOX FREE OF DEBRIS AND PROPERLY FUNCTIONING		ADEQUATE CONTROLS ARE AVAILABLE TO ALLOW PROCESS FLEXIBILITY TO OPTIMIZE PROCESS PERFORMANCE.	
INLET/ OUTLET INSPECTION PORTS IDENTIFIED		CHANGES AND ADJUSTMENTS IN PROCESS CONTROL ARE RECORDED AND FLOW IS MONITORED.	
INSPECTION PORT COVERS ARE IN GOOD CONDITION		THE AERATION BASIN, TRICKLING FILTER, RBC, ETC. PROVIDE SUFFICIENT OXYGEN TRANSFER CAPACITY.	
INLETS AND OUTLETS ARE FUNCTIONING PROPERLY		SECONDARY CLARIFIER PROVIDES FOR ADEQUATE SEDIMENTATION, BULKING IS LIMITED, EFFLUENT IS FREE OF VISIBLE SOLID MATERIAL.	
SLUDGE/SCUM LEVELS CHECKED REGULARLY		ADVANCED TREATMENT PROCESSES (NITRIFICATION TOWERS, CHEMICAL TREATMENT, MEDIA FILTERS) ARE APPROPRIATE TO UPGRADE WATER QUALITY TO MEET SPECIFIC EFFLUENT LIMITS BEYOND THE CAPACITY OF CONVENTIONAL PRIMARY AND SECONDARY TREATMENT.	
SLUDGE PUMPING SERVICE IS AVAILABLE AND TANK PUMPING FREQUENCY IS ADEQUATE		DISINFECTION EQUIPMENT IS OPERATED AND MAINTAINED PROPERLY. FEED RATES ARE PROPORTIONAL TO THE EFFLUENT FLOW. CONTACT TIME IS SUFFICIENT TO PROPERLY DISINFECT THE WASTEWATER DISCHARGE.	
AS-BUILT PLANS ARE AVAILABLE AND ACCURATE		C. LAGOON(S)	
DRAINFIELD AREA FREE OF TREE AND BRUSH GROWTH		ACCESS ROAD IN GOOD CONDITION	
B. TREATMENT PLANT		GATE/FENCE AROUND LAGOON IN GOOD CONDITION	
FENCING PROVIDED AND GATES ARE SECURED		GATE KEPT LOCKED	
SIGNS STATING HAZARDS ARE POSTED		WARNING SIGNS PLACED ON ALL SIDES OF ENCLOSURE	
ADEQUATE NUMBER OF EMPLOYEES		FLOOR SURFACE OF POND IS COVERED WITH LIQUID TO THE APPROPRIATE DEPTH (MINIMUM OF 3 FEET)	
PERMIT REQUIREMENTS MET FOR MONITORING, REPORTING AND DISCHARGE LIMITATIONS		LIQUID DISCOLORATION, PRESENCE OF SEPTIC ODORS, MATERIALS FLOATING ON THE SURFACE, INSECT BREEDING, AND WEED GROWTH ARE CONTROLLED	
INDIVIDUAL HAS BEEN ASSIGNED O&M DUTIES		DIKES SOUND/FREE OF EROSION AND ANIMAL BURROWS	
STAFFING PROVIDES FOR ADEQUATE COVERAGE		DIVERSION STRUCTURES FREE OF SOLIDS/OTHER DEBRIS	
OPERATOR KNOWLEDGEABLE ABOUT REPAIR		OVERFLOW DISCHARGE FREE OF BLOCKAGE/CLOGGING	
OPERATION AND MAINTENANCE PLAN IMPLEMENTED		AERATORS ARE MAINTAINED/FUNCTION PROPERLY	
MANUALS ARE AVAILABLE AND USED		CHLORINATOR FUNCTIONING PROPERLY	
ADEQUATE TOOLS AND SPARE PARTS ARE ON HAND		D. LABORATORY	
SHOCK LOADINGS DUE TO SEASONAL VARIATIONS, TOXIC CHEMICALS, ORGANIC LOAD DO NOT DEGRADE PLANT PERFORMANCE		LABORATORY EQUIPMENT IS ADEQUATE	
PRELIMINARY TREATMENT PROCESS (SCREENING/ GRIT REMOVAL) OPERATE PROPERLY		LABORATORY EQUIPMENT IS CALIBRATED AS REQUIRED	
DISINFECTION EQUIPMENT OPERATED/MAINTAINED		LABORATORY EQUIPMENT/FACILITIES MAINTAINED.	
INFILTRATION OR INFLOW IS NOT EXCESSIVE		THERE IS ADEQUATE SPACE TO PERFORM TESTING	
ADVANCED TREATMENT PROCESSES APPROPRIATE		CHEMICAL HYGIENE PLAN DEVELOPED (OSHA)	
JETS FUNCTION PROPERLY, DISPERSING FINE BUBBLES THROUGHOUT THE AERATION TANK		SAFETY SHOWER/EYE WASH IN PLACE AND OPERABLE	
SOLID MATERIALS SETTLED OUT IN PRIMARY CLARIFIER			

E. SEWERS		F. LIFTSTATION	
MANHOLE COVERS ARE IN GOOD CONDITION WITH A GOOD FIT.		VENTILATION SYSTEM FUNCTIONS PROPERLY AND IS IN GOOD REPAIR	
SURFACE EROSION NOT EVIDENT		FENCE AND GATE, WITH LOCK, ARE SOUND AND/OR FACILITIES HAVE ADEQUATE SECURITY AND VANDALISM PROTECTION	
INTERIOR OF MANHOLES ARE FREE OF DEBRIS ACCUMULATION.		PUMP NOISE IS NOT EXCESSIVE	
FLUSHING FREQUENCY AND RECORDS ARE SATISFACTORY.		LADDERS ARE SOUND	
INTERIOR OF MANHOLES SHOWS NO EVIDENCE OF INFLOW OR INFILTRATION.		CLEANLINESS OF PROBES AND BUBBLE LINE ARE SATISFACTORY.	
		LID FOR WEATHER TIGHTNESS IS SECURE	
		LIGHTS, DEHUMIDIFIER, HEATER, AND FAN OPERATE	
		DISCHARGE/SUCTION PUMP PRESSURE ADEQUATE	
		ACTIVATING/DEACTIVATING PRESSURES ADEQUATE	
		CONTROLS ARE ALL FUNCTIONAL	